Claims 1-66 (Canceled)

67. (original) A formulation useful in retarding the growth of vegetation comprising an aqueous mixture containing a surfactant, glyphosate or a salt or ester thereof, and a dicarboxylic acid, the nature of said surfactant and the composition of said formulation being such that, upon application of the formulation to a plant, anisotropic aggregates comprising said surfactant are formed on the foliage of said plant.

68. (original) A formulation as set forth in claim 67 wherein the nature of said surfactant and the composition of said formulation are such that, upon application of the formulation to a plant, liquid crystals comprising said surfactant are formed in the foliage of said plant

69. (previously amended) A formulation as set forth in claim 67 wherein the glyphosate concentration is from about 400 g a.e./L to about 600 g a.e./L.

70. (previously amended) A formulation of claim 67 wherein the formulation has a cloud point of at least about 50°C and a crystallization point of not higher than about 0°C.

71. (original) A formulation of claim 70 wherein the formulation has a cloud point of at least about 60°C and a crystallization point of not higher than about -10°C.

72. (previously amended) A formulation of claim 67 wherein the formulation comprises a salt of glyphosate selected from the group consisting of potassium glyphosate, monoammonium glyphosate, diammonium glyphosate, sodium glyphosate, monoethanolamine glyphosate, n-propylamine glyphosate, ethylamine glyphosate, ethylenediamine glyphosate, hexamethylenediamine glyphosate, trimethylsulfonium glyphosate and mixtures thereof.

73. (original) A formulation of claim 67 wherein the formulation has a density of at least about 1.210 grams/liter.

74. (original) A formulation of claim 67 wherein the formulation has a viscosity of less than about 1000 c.p. at 0°C at 45/s shear rate.

75. (original) A formulation of claim 74 wherein the formulation has a viscosity of less than about 250 c.p. at 0°C at 45/s shear rate.

76. (original) A formulation of claim 67 wherein the surfactant comprised by the formulation is not substantially antagonistic to the herbicidal activity of the glyphosate.

77-90 (cancelled).

91. (original) An aqueous herbicidal concentrate composition comprising

(a) glyphosate, predominantly in the form of the potassium salt thereof, in solution in an amount of in excess of 300 grams acid equivalent per liter of the composition; and

(b) a surfactant component in solution or stable suspension, emulsion or dispersion, comprising one or more surfactants in a total amount of about 20 to about 300 grams per liter of the composition;

wherein the composition has a viscosity of less than about 250 centipoise at 0°C at 45/s shear rate.

92. (original) An aqueous herbicidal concentrate composition comprising

(a) glyphosate, predominantly in the form of the potassium salt thereof, in solution in an amount of in excess of 300 grams acid equivalent per liter of the composition; and

(b) a surfactant component in solution or stable suspension, emulsion or dispersion, comprising one or more surfactants in a total amount of about 20 to about 300 grams per liter of the composition;

wherein the composition when free of dye or a coloring agent has a Gardner color value of not more than 14.

93. (original) An aqueous herbicidal concentrate composition comprising

(a) glyphosate, predominantly in the form of the potassium salt thereof, in solution in an amount of in excess of 300 grams acid equivalent per liter of the composition; and

(b) a surfactant component in solution or stable suspension, emulsion or dispersion, comprising one or more surfactants in a total amount of about 20 to about 300 grams per liter of the composition;

wherein the composition has a viscosity less than a similarly loaded glyphosate potassium salt composition comprising an alkylpolyglycoside surfactant in combination with an alkoxylated alkylamine surfactant, said alkylpolyglycoside and alkylamine surfactants being present in a weight ratio between about 5:1 and 1:1.

94-95 (canceled)

96. (original) An aqueous herbicidal concentrate composition comprising

(a) glyphosate, predominantly in the form of the potassium salt thereof, in solution in said water in an amount of in excess of 300 grams acid equivalent per liter of the composition; and

(b) a surfactant component in solution or stable suspension, emulsion, or dispersion in said water, comprising one or more surfactants in a total amount of about 20 to about 300 grams per liter of the composition;

wherein the composition controls velvetleaf growth to a greater extent than a similarly loaded glyphosate potassium salt composition comprising an alkylpolyglycoside surfactant in combination with an alkoxylated alkylamine surfactant in a weight ratio of alkylpolyglycoside to alkylamine surfactant of between about 5:1 and 1:1.

97. (original) An aqueous herbicidal concentrate composition comprising

(a) glyphosate, predominantly in the form of the potassium salt thereof, in solution in said water in an amount in excess of 300 grams acid equivalent per liter of the composition; and

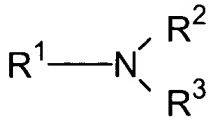
(b) a surfactant component in solution or stable suspension, emulsion, or dispersion in said water, comprising one or more surfactants in a total amount of about 20 to about 300 grams per liter of the composition;

wherein the composition has a viscosity of less than about 250 centipoise at 0°C at 45/s shear rate, and said surfactant component comprises one or more amine or quaternary ammonium salt compounds, each of which comprises an alkyl or aryl substituent having from about 4 to about 16 carbon atoms and not more than ten ethylene oxide linkages within the compound, said compounds being present in an

amount which enhances the compatibility of said surfactant component with said glyphosate salt.

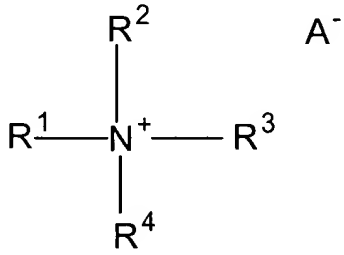
98. (canceled)

99. (currently amended) A composition of claim 97 wherein said compounds are selected from the group consisting of amines or quaternary ammonium salts having the formula:



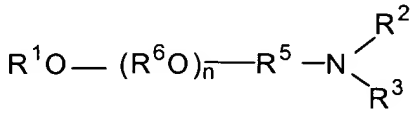
(86)

or



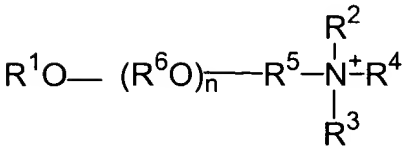
(87)

or



(88)

or



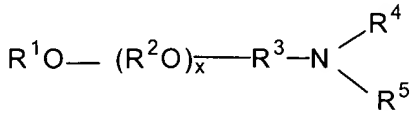
(89)

wherein R^1 is linear or branched alkyl or aryl having from about 4 to about 16 carbon atoms, R^2 is hydrogen, methyl, ethyl, or $-(CH_2CH_2O)_xH$, R^3 is hydrogen, methyl, ethyl, or

$-(CH_2CH_2O)_yH$ wherein the sum of x and y is not more than about 5; R^4 is hydrogen or methyl; R^6 in each of the n (R^6O) groups is independently C_2-C_4 alkylene; R^5 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms; n is 1 to about 60; and A- is an agriculturally acceptable anion.

100. (currently amended) A formulation of any one of claims 67, 92, 93, 152 or 162 wherein the surfactant is ~~compound~~ selected from the group consisting of:

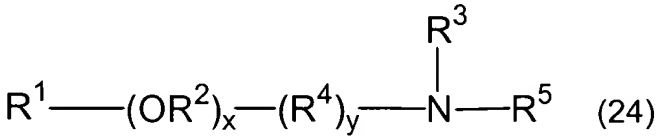
(a) monoalkoxylated amines having the formula:



(23)

wherein R^1 is hydrogen or hydrocarbyl or substituted hydrocarbyl having at least 7carbon atoms; R^2 in each of the x (R^2O) and y (R^2O) groups is independently C_2-C_4 alkylene; R^3 is a hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms; R^4 and R^5 are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, $-(R^6)_n-(R^2O)_yR^7$, or R^4 and R^5, together with the nitrogen atom to which they are attached, form a cyclic or heterocyclic ring; R^6 is hydrocarbylene or substituted hydrocarbylene containing from 1 to about 6 carbon atoms, R^7 is hydrogen or a linear or branched alkyl group having 1 to about 4 carbon atoms, n is 0 or 1, and x and y are independently an average number from 1 to about 60, provided, however, that when R^2 and R^3 in each of the x (R^2O) groups is ethylene, R^1 is other than unsubstituted alkyl or R^4 is other than hydrogen or unsubstituted alkyl when R^5 is hydrogen or unsubstituted alkyl, and when R^2 and R^3 are isopropylene and x is 1, R^1 is other than unsubstituted alkyl or R^4 is other than $-(R^2O)_yR^7$;

(b) alkoxylated poly(hydroxyalkyl)amines having the formula:

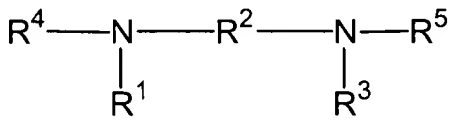


(24)

wherein R^1 and R^3 are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R^2 in each of the x (R^2O) groups is

independently C_2-C_4 alkylene; R^4 is hydrocarbylene or substituted hydrocarbylene having from 1 to about 30 carbon atoms, R^5 is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl; x is an average number from 0 to about 30, and y is 0 or 1;

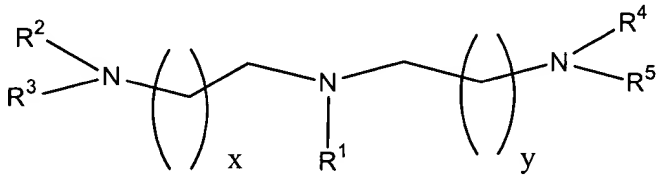
(c) di-poly(hydroxyalkyl)amines having the formula:



(27)

wherein R^1 and R^3 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 22 carbon atoms, R^2 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, R^4 and R^5 are independently hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl, provided, however, that when R^1 and R^3 are methyl, R^2 is other than octylene;

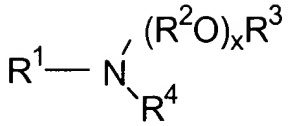
(d) alkoxylated triamines having the formula:



(29)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; R^2, R^3, R^4 and R^5 are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or $-(R^8)_s(R^7\text{-}O)_nR^6$; R^6 is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms; R^7 in each of the n (R^7O) groups is independently C_2-C_4 alkylene; R^8 is hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms; n is an average number from 1 to about 10; s is 0 or 1; and x and y are independently an integer from 1 to about 4; provided, however, that when R^1 is alkyl, R^2 is other than hydrogen, x is 3 or 4, or R^4 is other than $-(R^7\text{-}O)_nR^6$;

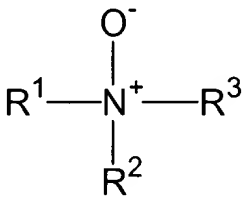
(e) monoalkoxylated amines having the formula:



(30)

wherein R^1 is a hydrocarbyl or substituted hydrocarbyl group having from 1 to about 30 carbon atoms, R^2 is C_2-C_4 alkylene, R^3 is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, R^4 is a linear or branched alkynyl, aryl, or aralkyl group having from 1 to about 30 carbon atoms, and x is an average number from 1 to about 60;

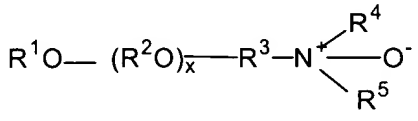
(f) amine oxides having the formula:



(31)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 8 to about 30 carbon atoms, R^2 and R^3 are independently $-(R^4O)_xR^5$, R^4 in each of the x (R^4O) groups is independently C_2-C_4 alkylene, R^5 is hydrogen, or a hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, x is an average number from 1 to about 50.

(g) an alkoxylated amine oxide having the formula:

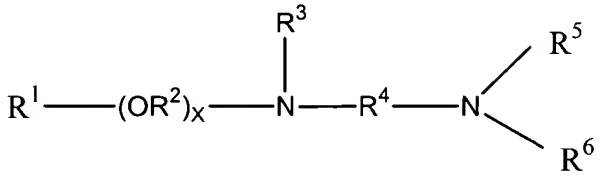


(32)

wherein R^1 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; R^2 in each of the x (R^2O) and y (R^2O) groups is independently C_2-C_4 alkylene; R^3 is a hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms; R^4 and R^5 are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, $-(R^6)_n-(R^2O)_yR^7$; R^6 is hydrocarbylene or substituted hydrocarbylene containing from 1 to about 6 carbon atoms, R^7 is hydrogen or a linear or branched alkyl group having 1 to about 4 carbon

atoms, n is 0 or 1, and x and y are independently an average number from 1 to about 60;

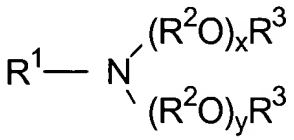
(h) alkoxylated diamines having the formula:



(33)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 8 to about 30 carbon atoms; R^2 in each of the x (R^2O) groups and the y (R^2O) groups is independently C_2-C_4 alkylene; R^3, R^5 and R^6 are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or $-(R^2O)_yR^7$; R^4 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms, $-C(=NR^{11})NR^{12}R^{13}-$, $-C(=O)NR^{12}R^{13}-$, $-C(=S)NR^{12}R^{13}-$, $-C(=NR^{12})-$, -C(S)-, or -C(O)-; R^7 is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms; R^{11}, R^{12} and R^{13} are hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms x is an average number from 1 to about 30; and y is an average number from 1 to about 50, provided, however, that at least one of R^3, R^5 and R^6 is $-(R^2O)_yR^7$, at least one R^2 is other than ethylene, R^4 is other than unsubstituted propylene, R^1 is other than unsubstituted alkyl, or x is from 2 to about 30;

(i) dialkoxylated amines having the formula:



(34)

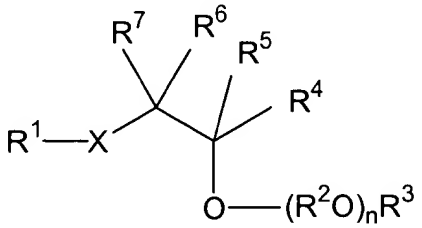
wherein R^1 is a hydrocarbyl or substituted hydrocarbyl having from about 6 to about 30 carbon atoms, or $-R^4SR^5$, R^4 and R^2 in each of the x (R^2O) and the y (R^2O) groups is independently C_2-C_4 alkylene, R^3 is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, R^5 is a linear or branched alkyl group having from about 4 to about 15 carbon atoms, and x and y are independently an average number from 1 to about 40;

(j) dialkoxylated alcohols having the formula:

$$R^1(OR^2)_xO—R^3—O—(R^2O)_yR^1 \qquad (35)$$

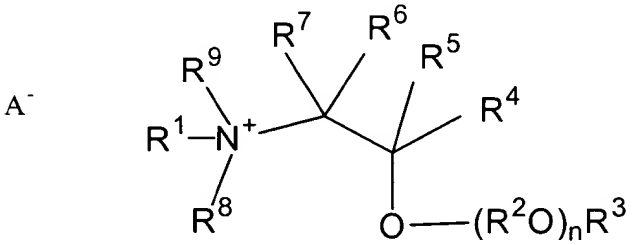
wherein R^1 is independently hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, R^2 in each of the x (R^2O) and the y (R^2O) groups is independently C_2-C_4 alkylene, R^3 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms, and x and y are independently an average number from 1 to about 60; and

(k) compounds of the formula:



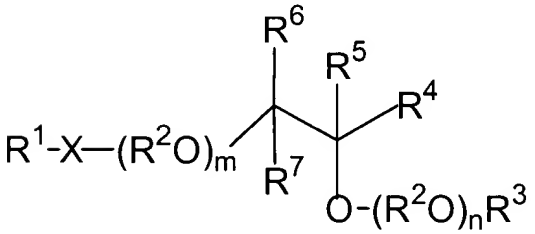
(36)

or



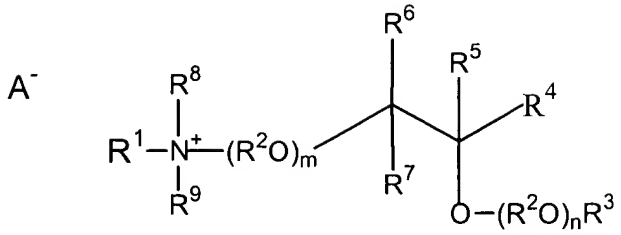
(37)

or



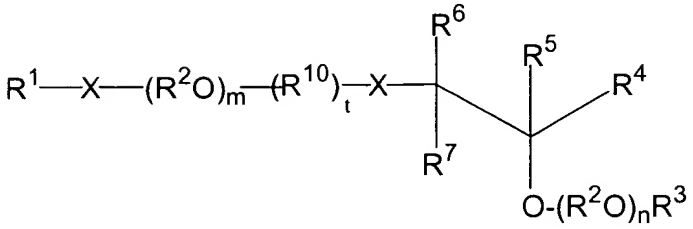
(38)

or



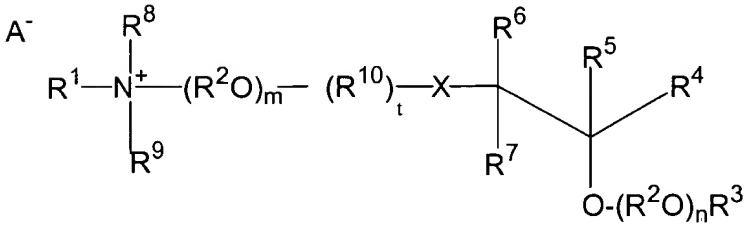
(39)

or



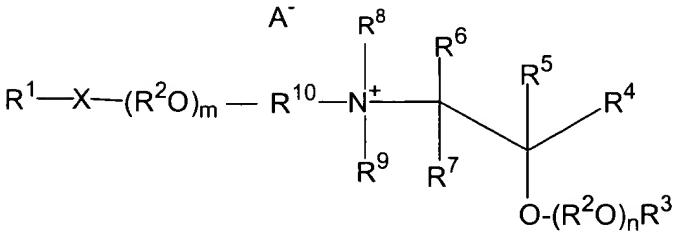
(40)

or



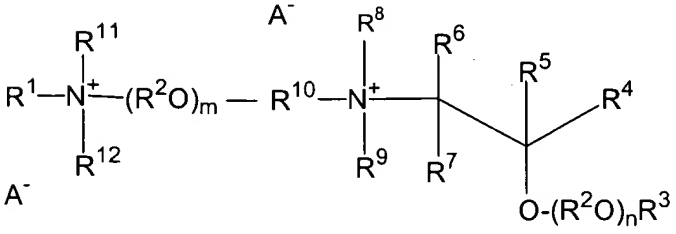
(41)

or



(42)

or



(43)

wherein R^1, R^9, and R^{12} are independently hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or $-(R^2O)_pR^{13}$; R^2 in each of the m (R^2O), n (R^2O), p (R^2O) and q (R^2O) groups is independently C_2-C_4 alkylene; R^3, R^8, R^{11}, R^{13} and R^{15} are independently hydrogen, or a hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; R^4 is $-(CH_2)_yOR^{13}$ or $-(CH_2)_yO(R^2O)_qR^3$; R^5, R^6 and R^7 are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or R^4; R^{10} is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms; R^{14} is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or $-(CH_2)_zO(R^2O)_pR^3$; m, n, p and q are independently an average number from 1 to about 50; X is -O-, $-N(R^{14})$-, -C(O)-, -C(O)O-, -OC(O)-, $-N(R^{15})C(O)$-, $-C(O)N(R^{15})$-, -S-, -SO-, or $-SO_2$-; t is 0 or 1; A- is an agriculturally acceptable anion; and y and z are independently an integer from 0 to about 30.

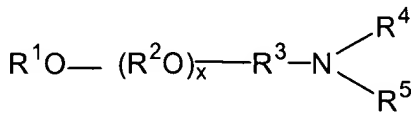
101-102 (withdrawn)

103. (currently amended) A <u>formulation of any one of claims 67, 92, 93, 152 or 162 wherein the</u> ~~pesticidal composition comprising:~~

~~(i) at least one pesticide; and~~

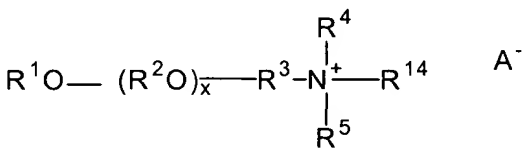
~~(ii) an agriculturally useful amount of at least one~~ surfactant <u>is</u> selected from the group consisting of:

(a) aminated alkoxylated alcohol having the formula:



(44)

or

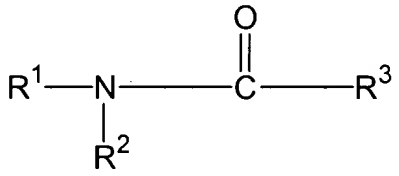


(45)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl containing at least 7 carbon atoms; R^2 in each of the x (R^2O) and y (R^2O) groups is independently C_2-C_4 alkylene; R^3 and R^6

are each independently hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms; R^4 is hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, hydroxy substituted hydrocarbyl, $-(R^6)_n-(R^2O)_yR^7$, $-C(=NR^{11})NR^{12}R^{13}$, $-C(=O)NR^{12}R^{13}$, $-C(=S)NR^{12}R^{13}$ or together with R^5 and the nitrogen atom to which they are attached, form a cyclic or heterocyclic ring; R^5 is hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, hydroxy substituted hydrocarbyl, $-(R^6)_n-(R^2O)_yR^7$, $-C(=NR^{11})NR^{12}R^{13}$, $-C(=O)NR^{12}R^{13}$, $-C(=S)NR^{12}R^{13}$, or together with R^4 and the nitrogen atom to which they are attached, form a cyclic or heterocyclic ring; R^7 is hydrogen or a linear or branched alkyl group having 1 to about 4 carbon atoms; R^{11}, R^{12} and R^{13} are hydrogen, hydrocarbyl or substituted hydrocarbyl, R^{14} is hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, hydroxy substituted hydrocarbyl, $-(R^6)_n-(R^2O)_yR^7$, $-C(=NR^{11})NR^{12}R^{13}$, $-C(=O)NR^{12}R^{13}$, or $-C(=S)NR^{12}R^{13}$, n is 0 or 1, x and y are independently an average number from 1 to about 60, and A- is an agriculturally acceptable anion, provided, however, that when R^2 and R^3 are isopropylene and x is 1, R^1 is other than alkyl or R^4 is other than $-(R^2O)_yR^7$;

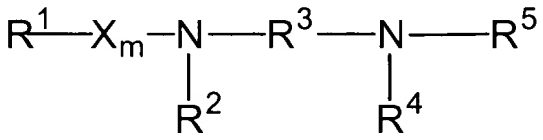
(b) hydroxylated amines having the formula:



(46)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms, R^2 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, and R^3 is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl;

(c) diamines having the formula:

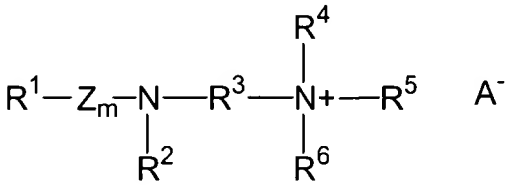


(48)

wherein R^1, R^2 and R^5 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms or $-R^8(OR^9)_nOR^{10}$, R^3 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms,

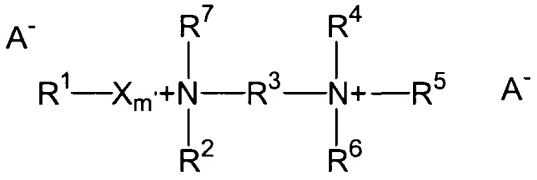
R^8 and R^9 are individually hydrocarbylene or substituted hydrocarbylene having from 2 to about 4 carbon atoms, R^4 and R^{10} are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, m is 0 or 1, n is an average number from 0 to about 40, X is -C(O)- or $-SO_2-$, and A^- is an agriculturally acceptable anion;

(d) mono- or di-ammonium salts having the formula:



(49)

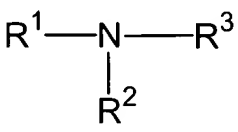
or



(50)

wherein R^1, R^2, R^4, R^5 and R^7 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms or $-R^8(OR^9)_nOR^{10}$, R^6 is hydrocarbyl or substituted hydrocarbyl having from about 1 to about 30 carbon atoms, R^3 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, R^8, R^9 and R^{11} are individually hydrocarbylene or substituted hydrocarbylene having from 2 to about 4 carbon atoms, R^{10} is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, m is 0 or 1, n is an average number from 0 to about 40, X is -C(O)- or $-SO_2-$, Z is -C(O)-, and A^- is an agriculturally acceptable anion;

(e) poly(hydroxyalkyl)amines having the formula:

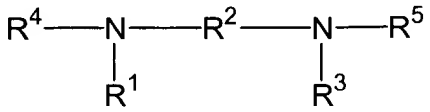


(51)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms or $-R^4OR^5$, R^2 is hydrogen or hydrocarbyl or substituted hydrocarbyl

having from 1 to about 30 carbon atoms, R^3 is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl, R^4 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, and R^5 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from about 1 to about 30 carbon atoms.

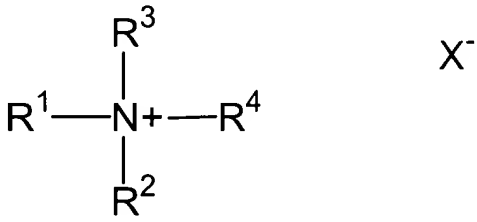
(f) di-poly(hydroxyalkyl)amine having the formula:



(54)

wherein R^1 and R^3 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 22 carbon atoms, R^2 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, and R^4 and R^5 are independently hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl;

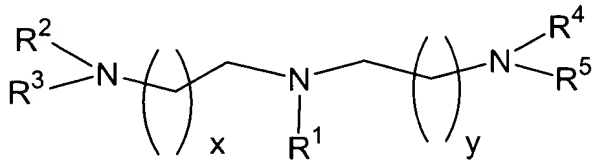
(g) quaternary poly(hydroxyalkyl)amine salts having the formula:



(56)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms, R^2 and R^3 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, and R^4 is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl;

(h) triamines having the formula:



(59)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; R^2, R^3, R^4 and R^5 are independently hydrogen, hydrocarbyl or substituted

hydrocarbyl having from 1 to about 30 carbon atoms, or $-(R^8)_s(R^7O)_nR^6$; R^6 is hydrogen or a linear or branched alkyl group having from 1 to about 4 carbon atoms, R^7 in each of the n (R^7O) groups is independently C_2-C_4 alkylene; R^8 is hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms, n is an average number from 1 to about 10, s is 0 or 1, and x and y are independently an integer from 1 to about 4;

and mixtures thereof, wherein the pesticide is other than a bacteriocide if the composition includes a surfactant of group (a) or (d).

104. (withdrawn)

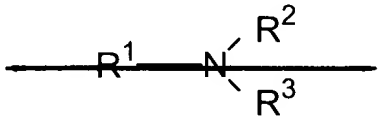
105-109 (canceled)

110. (currently amended) An aqueous herbicidal concentrate composition comprising:

(i) glyphosate predominantly in the form of the potassium, monoammonium, diammonium, sodium, monoethanolamine, n-propylamine, ethylamine, ethylenediamine, hexamethylenediamine or trimethylsulfonium salt thereof, in solution in said water in an amount of in excess of 300 grams acid equivalent per liter of the composition; and

(ii) a surfactant component in solution or stable suspension, emulsion or dispersion, comprising one or more surfactant(s) in a total amount of about 20 to about 300 grams per liter of composition, said surfactant(s) being selected from the group consisting of:

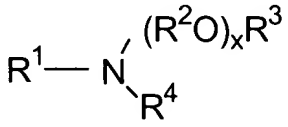
~~(a) a secondary or tertiary amine having the formula:~~



~~(63)~~

~~wherein R^1 and R^2 are hydrocarbyl having from 1 to about 30 carbon atoms, and R^3 is hydrogen or hydrocarbyl having from 1 to about 30 carbon atoms;~~

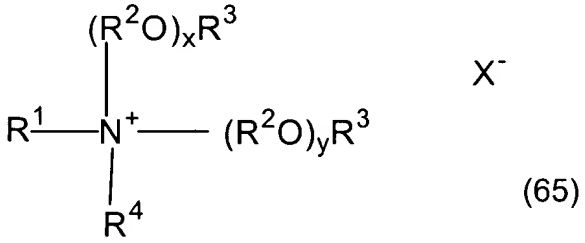
(a) ~~(b)~~ monoalkoxylated amines having the formula:



(64)

wherein R^1 and R^4 are independently hydrocarbyl or substituted hydrocarbyl groups having from 1 to about 30 carbon atoms or $-R^5SR^6$, R^2 in each of the x (R^2O) groups is independently C_2-C_4 alkylene, R^3 is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, R^5 is a linear or branched alkyl group having from about 6 to about 30 carbon atoms, R^6 is a hydrocarbyl or substituted hydrocarbyl group having from 4 to about 15 carbon atoms and x is an average number from 1 to about 60;

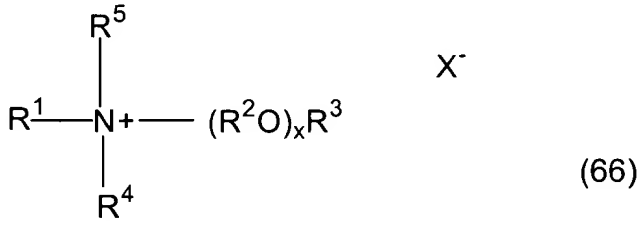
(b) ~~(c)~~ dialkoxylated quaternary ammonium salt having the formula:



(65)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R^2 in each of the x (R^2O) and y (R^2O) groups is independently C_2-C_4 alkylene, R^3 is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, R^4 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, x and y are independently an average number from 1 to about 40, and X- is an agriculturally acceptable anion;

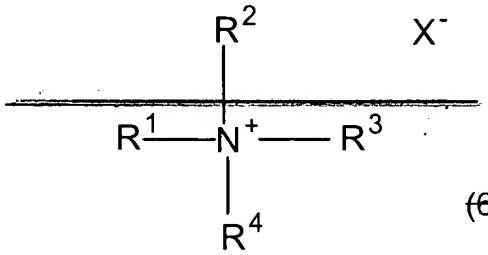
(c) ~~(d)~~ monoalkoxylated quaternary ammonium salts having the formula:



(66)

wherein R^1 and R^5 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R^4 is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R^2 in each of the x (R^2O) groups is independently C_2-C_4 alkylene, R^3 is hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms, x is an average number from 1 to about 60, and X- is an agriculturally acceptable anion;

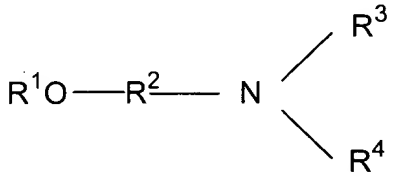
~~(e) quaternary ammonium salts having the formula:~~



~~(67)~~

~~wherein R^1, R^3 and R^4 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R^2 is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, and X- is an agriculturally acceptable anion;~~

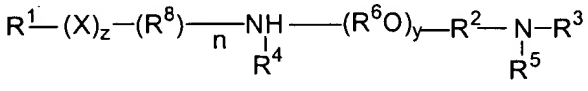
(d) ~~(f)~~ ether amines having the formula:



(68)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; R^2 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms; R^3 and R^4 are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or $-(R^5O)_xR^6$, R^5 in each of the $x(R^5-O)$ groups is independently C_2-C_4 alkylene, R^6 is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, and x is an average number from 1 to about 50;

(e) ~~(g)~~ diamines having the formula:

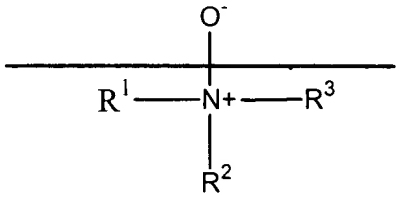


(69)

wherein R^1, R^3, R^4 and R^5 are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or $-(R^6O)_xR^7$; R^2 and R^8 are independently hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms, R^6 in each of the x (R^6O) and y (R^6O) groups is independently C_2-C_4 alkylene, R^7 is hydrogen, or a linear or branched alkyl group having from 1 to about 30

carbon atoms, x is an average number from 1 to about 30, X is -O-, -N(R^6)-, -C(O)-, -C(O)O-, -OC(O)-, -N(R^9)C(O)-, -C(O)N(R^9)-, -S-, -SO-, or -SO_2-, y is 0 or an average number from 1 to about 30, n and z are independently 0 or 1, and R^9 is hydrogen or hydrocarbyl or substituted hydrocarbyl;

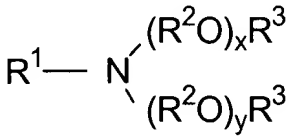
~~(h) amine oxides having the formula:~~



(70)

~~wherein R^1, R^2 and R^3 are independently hydrogen, hydrocarbyl or substituted hydrocarbyl, $(R^4O)_xR^5$, or $R^6(OR^4)_xOR^5$; R^4 in each of the x (R^4O) groups is independently C_2-C_4 alkylene, R^5 is hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms, R^6 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms, x is an average number from 1 to about 50, and the total number of carbon atoms in R^1, R^2 and R^3 is at least 8;~~

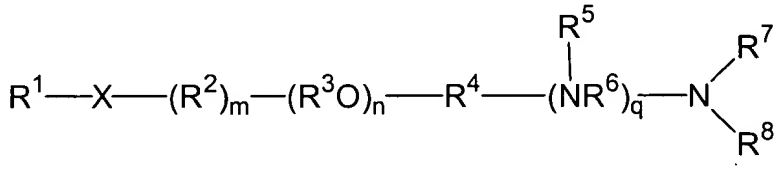
(f) ~~(i)~~ dialkoxylated amines having the formula:



(71)

wherein R^1 is a linear or branched alkyl, linear or branched alkenyl, linear or branched alkynyl, aryl, or aralkyl group having from about 6 to about 30 carbon atoms, or -R^4SH, R^2 in each of the x (R^2O) and the y (R^2O) groups is independently C_2-C_4 alkylene, R^3 is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, R^4 is a linear or branched alkyl group having from about 6 to about 30 carbon atoms, and x and y are independently an average number from 1 to about 40;

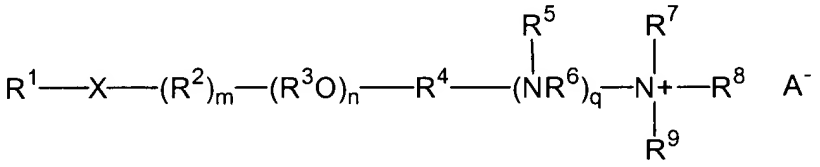
(g) ~~(j)~~ aminated alkoxylated alcohols having the following chemical structure:



(72)

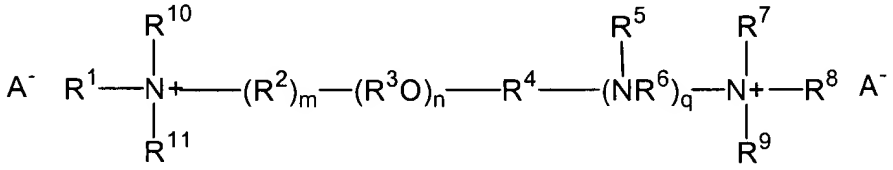
wherein R^1, R^7, R^8, and R^9 are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or $-(R^{11})_s(R^3O)_vR^{10}$; X is -O-, -OC(O)-, -C(O)O-, $-N(R^{12})C(O)-$, $-C(O)N(R^{12})-$, -S-, -SO-, $-SO_2-$ or $-N(R^9)-$; R^3 in each of the n (R^3O) groups and the v (R^3O) groups is independently C_2-C_4 alkylene; R^{10} is hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms; n is an average number from 1 to about 60; v is an average number from 1 to about 50; R^2 and R^{11} are each independently hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms; R^4 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms; R^{12} is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; m and s are each independently 0 or 1; R^6 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms, $-C(=NR^{12})-$, -C(S)-, or -C(O)-; q is an integer from 0 to 5; and R^5 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms;

(h) ~~(k)~~ quaternary ammonium, sulfonium and sulfoxonium salts having the formula:



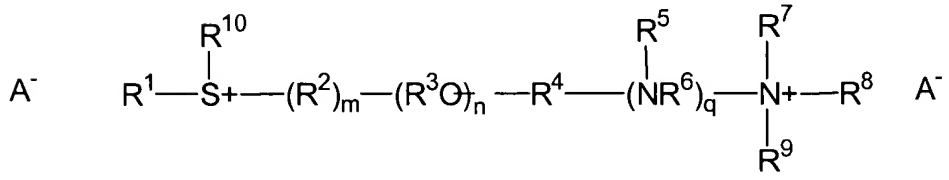
(74)

or



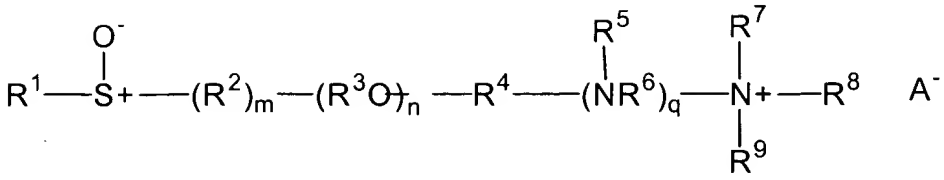
(75)

or



(76)

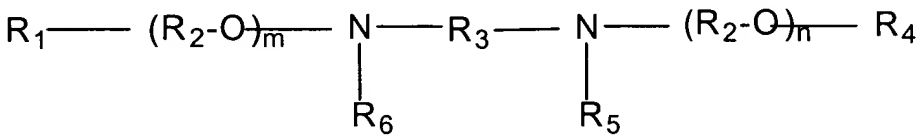
or



(77)

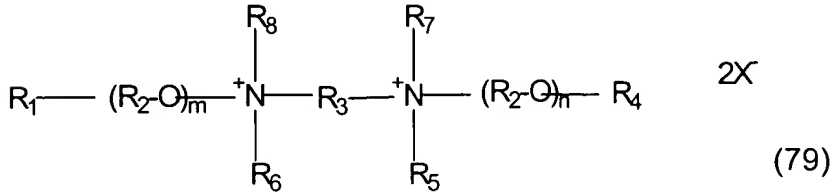
wherein R^1, R^7, R^8, R^9, R^{10} and R^{11} are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or $-(R^{13})_s(R^3O)_vR^{12}$; X is -O-, -OC(O)-, $-N(R^{14})C(O)-$, $-C(O)N(R^{14})-$, -C(O)O-, or -S-; R^3 in each of the n (R^3O) groups and v (R^3O) groups is independently C_2-C_4 alkylene; R^{12} is hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms; n is an average number from 1 to about 60; v is an average number from 1 to about 50; R^2 and R^{13} are each independently hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms; m and s are each independently 0 or 1; R^4 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms; R^6 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms, $-C(=NR^{12})-$, -C(S)-, or -C(O)-; R^{14} is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, q is an integer from 0 to 5; R^5 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; and each A^- is an agriculturally acceptable anion;

(i) ~~(I)~~ a diamine or diammonium salt having the formula:



(78)

or



(79)

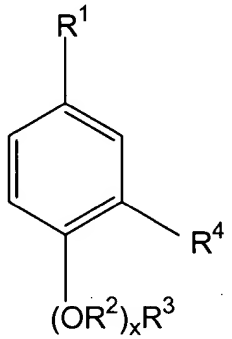
wherein R^1, R^4, R^5, R^6, R^7 and R^8 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R^2 in each of the m (R^2O) and n (R^2O) groups and R^9 are independently C_2-C_4 alkylene, R^3 is hydrocarbylene or substituted hydrocarbylene having from about 2 to about 6 carbon atoms or -$(R^2O)_pR_9$-, m and n are individually an average number from 0 to about 50, and p is an average number from 0 to about 60;

~~(m) alkoxylated alcohols having the formula:~~

~~$R^1O-(R^2O)_xR^3$~~ ~~(80)~~

~~wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R^2 in each of the x (R^2O) groups is independently C_2-C_4 alkylene, R^3 is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, and x is an average number from 1 to about 60;~~

(j) ~~(n)~~ alkoxylated dialkylphenols having the formula:



(81)

wherein R^1 and R^4 are independently hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms and at least one of R^1 and R^4 is an alkyl group, R^2 in each of the x (R^2O) groups is independently C_2-C_4 alkylene, R^3 is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, and x is an average number from 1 to about 60;

and mixtures thereof.

111. (currently amended) The [A] composition of any one of claims 92 or 110 [as set forth in claim 91] wherein the composition has a viscosity less than a similarly loaded glyphosate potassium salt composition comprising an alkylpolyglycoside surfactant in

combination with an alkoxylated alkylamine surfactant in a weight ratio of alkylglycoside to alkylamine surfactant of between about 5:1 and 1:1.

112. (currently amended) The [A] composition of any one of claims 92, 93 or 110 [as set forth in claim 91] wherein the surfactant component is in a stable emulsion.

113. (currently amended) The [A] composition of any one of claims 92, 93 or 110 [as set forth in claim 91] wherein the surfactant component is in a stable suspension.

114. (currently amended) The [A] composition of any one of claims 92, 93 or 110 [as set forth in claim 91] wherein the surfactant component is in a stable dispersion.

115. (currently amended) The [A] composition of any one of claims 92, 93 or 110 [as set forth in claim 91] wherein the composition is stable after storage at 50°C for at least 14 days.

116. (original) The composition of claim 115 wherein the composition is stable after storage at 50°C for about 28 days.

117. (currently amended) The [A] composition of any one of claims 92, 93 or 110 [as set forth in claim 91] wherein the surfactant component is in a solution.

118. (original) The composition of claim 117 wherein said surfactant component is selected such that the composition has a cloud point not lower than about 50°C.

119. (currently amended) The [A] composition of any one of claims 92, 93 or 110 [as set forth in claim 93] wherein the composition has a viscosity of less than about 1000 centipoise at 0°C at 45/s shear rate.

120. (original) The composition of Claim 119 wherein the composition has a viscosity of less than about 700 centipoise at 0°C at 45/s shear rate.

121. (original) The composition of Claim 120 wherein the composition has a viscosity of less than about 400 centipoise at 0°C at 45/s shear rate.

122. (original) The composition of Claim 121 wherein the composition has a viscosity of less than about 225 centipoise at 0°C at 45/s shear rate.

123. (currently amended) The [A] composition of any one of claims 92, 93 or 110 [as set forth in claim 91] wherein said surfactant component is selected such that the composition exhibits no crystallization of said glyphosate or salt thereof when stored at a temperature of about 0°C for a period of about 7 days.

124. (original) The composition of Claim 123 wherein said surfactant component is selected such that the composition exhibits no crystallization of said glyphosate or salt thereof when stored at a temperature of about -10°C for a period of about 7 days.

125. (currently amended) The [A] composition of any one of claims 92, 93 or 110 [as set forth in claim 91] wherein said glyphosate, predominantly in the form of the potassium salt thereof, is in solution in the water in an amount of about 310 to about 600 grams of acid equivalent per liter of the composition.

126. (original) The composition of claim 125 wherein said glyphosate, predominantly in the form of the potassium salt thereof, is in solution in the water in an amount of about 360 to about 600 grams of acid equivalent per liter of the composition.

127. (original) The composition of claim 126 wherein said glyphosate, predominantly in the form of the potassium salt thereof, is in solution in the water in an amount of about 400 to about 600 grams of acid equivalent per liter of the composition.

128. (original) The composition of claim 127 wherein the concentration of said glyphosate is from about 450 to about 600 grams of acid equivalent per liter of the composition.

129. (currently amended) The composition of claim 128 wherein the concentration of said glyphosate is from about 480 ~~500~~ to about 600 grams of acid equivalent per liter of the composition.

130. (currently amended) The composition of claim 129 wherein the concentration of said glyphosate is from about 500 ~~480~~ to about 600 grams of acid equivalent per liter of the composition.

131. (currently amended) The composition of claim 129 [130] wherein the concentration of said glyphosate is from about 480 to about 580 grams of acid equivalent per liter of the composition.

132. (original) The composition of claim 130 wherein the concentration of said glyphosate is from about 540 to about 600 grams of acid equivalent per liter of the composition.

133. (currently amended) The [A] composition of any one of claims 92, 93 or 110 [as set forth in claim 91] wherein the total amount of surfactant is from about 60 to about 240 grams per liter of the composition.

134. (original) The composition of claim 133 wherein the total amount of surfactant is from about 60 to about 200 grams per liter of the composition.

135. (currently amended) The composition of Claim 91 ~~134~~ wherein the total amount of surfactant is from about 20 to about 150 grams per liter of the composition.

136. (original) The composition of claim 133 wherein the composition is substantially homogeneous upon storage at 50°C for one week.

137. (currently amended) The [A] composition of any of claims 92, 93 or 110 [as set forth in claim 91] wherein said surfactant component predominantly comprises one or more surfactants each having a molecular structure comprising:

(1) a hydrophobic moiety having one or a plurality of independently saturated or unsaturated, branched or unbranched, aliphatic, alicyclic or aromatic C_{3-18} hydrocarbyl or hydrocarbylidene groups joined together by 0 to about 7 linkages independently selected from ether, thioether, sulfoxide, ester, thioester and amide linkages, this hydrophobic moiety having in total a number *J* of carbon atoms where *J* is about 8 to about 30; and

(2) a hydrophilic moiety comprising:

(i) an amino group that is cationic or that can be protonated to become cationic, having attached directly thereto 0 to 3 oxyethylene groups or polyoxyethylene chains, these oxyethylene groups and polyoxyethylene chains comprising on average no more than a number *E* of oxyethylene units per surfactant molecule such that $E + J \leq 50$; and/or

(ii) an alkyl sugar derivative unit, such as a glycoside,polyglycoside, or aminoglycoside group comprising on average no more than about 2 of the alkyl sugar derivative units per surfactant molecule;

said hydrophobic moiety being attached (a) directly to an amino group of said hydrophilic moiety, (b) to said hydrophilic moiety by an ether linkage incorporating an oxygen atom of one of said oxyethylene groups or of a terminal oxyethylene unit of one of said polyoxyethylene chains, or (c) to said hydrophilic moiety by an ether linkage to one of said alkyl sugar units.

138-140. (withdrawn)

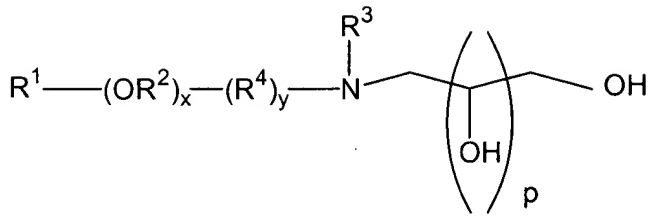
141. (currently amended) The composition of any one of claims 92, 93 or 110 [claim 91] wherein the composition has a density of at least about 1.210 grams/liter.

142. (currently amended) The composition of any one of claims 92, 93 or 110 [claim 91] wherein the surfactant comprised by the composition is not substantially antagonistic to the herbicidal activity of the glyphosate.

143. (currently amended) A herbicidal method comprising diluting in a suitable volume of water a herbicidally effective amount of a composition of any one of claims 92, 93 or 110 [claim 91] to form an application composition, and applying the application composition to foliage of a plant or plants.

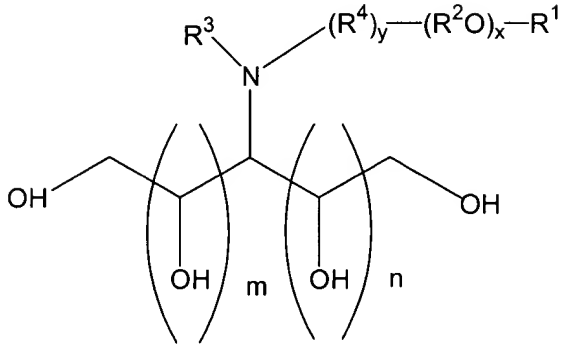
144. (withdrawn)

145. (original) A surfactant compound of claim 100 wherein said surfactant of formula (b) is an alkoxylated poly(hydroxyalkyl)amines having the formula:



(25)

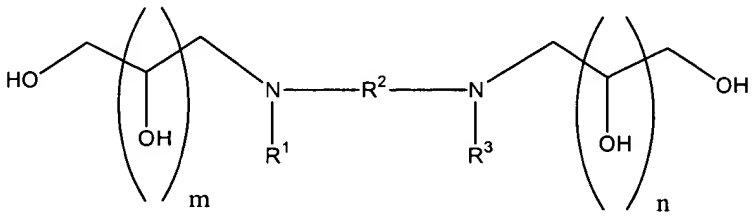
or



(26)

wherein R^1 and R^3 are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R^2 in each of the x (R^2O) groups is independently C_2-C_4 alkylene; R^4 is hydrocarbylene or substituted hydrocarbylene having from 1 to about 30 carbon atoms, m and n are independently integers from 0 to about 7, the sum of m and n is not greater than about 7, p is an integer from 1 to about 8, x is an average number from 0 to about 30, and y is 0 or 1.

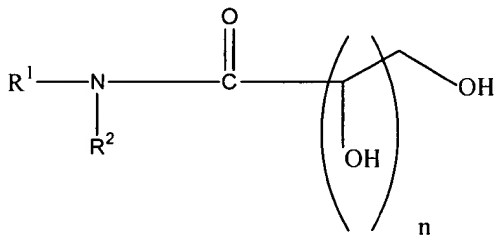
146. (original) A surfactant compound of claim 100 wherein said surfactant of formula (c) is a di-poly(hydroxyalkyl)amine having the formula:



(28)

wherein R^1 and R^3 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 22 carbon atoms, R^2 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, and m and n are independently integers from 1 to about 8, provided, however, that when R^1 and R^3 are methyl, R^2 is other than octylene.

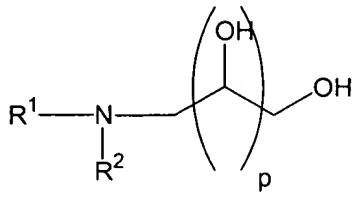
147. (original) A surfactant compound of claim 103 wherein said surfactant of formula (b) is a hydroxylated amine having the formula:



(47)

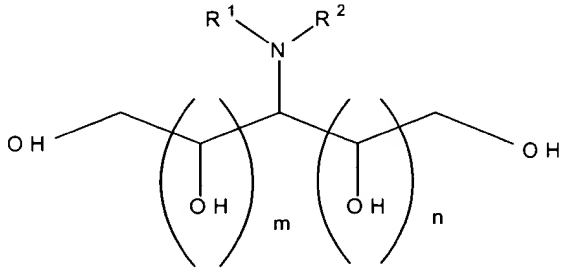
wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms, R^2 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, and n is 1 to about 8.

148. (original) A surfactant compound of claim 103 wherein said surfactant of formula (e) is a poly(hydroxyalkyl)amine having the formula:



(52)

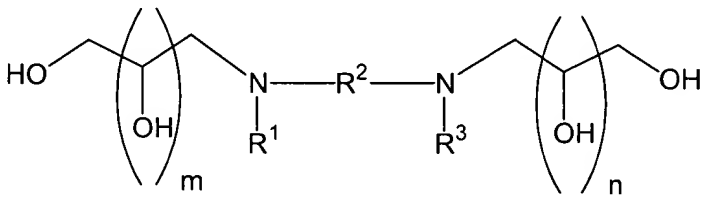
or



(53)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms or $-R^3OR^4$; R^2 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R^3 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, R^4 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from about 1 to about 30 carbon atoms, m and n are independently integers from 0 to about 7, the sum of m and n is not greater than about 7, and p is an integer from 1 to about 8.

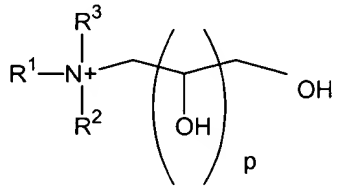
149. (original) A surfactant compound of claim 103 wherein said surfactant of formula (f) is a di-poly(hydroxyalkyl)amine having the formula:



(55)

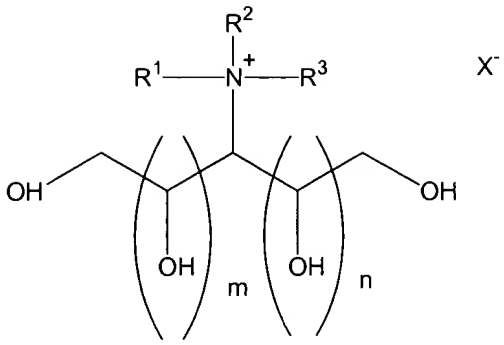
wherein R^1 and R^3 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 22 carbon atoms, R^2 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, and m and n are independently integers from 1 to about 8.

150. (original) A surfactant compound of claim 103 wherein said surfactant of formula (g) is a quaternary poly(hydroxyalkyl)amine salt having the formula:



(57)

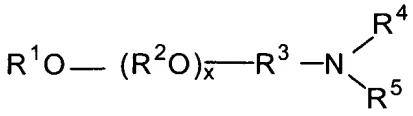
or



(58)

wherein R^1 is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms, R^2 and R^3 are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, m and n are independently integers from 0 to about 7, the sum of m and n is not greater than about 7, and p is an integer from 1 to about 8.

151. (original) A surfactant compound of claim 110 wherein said surfactant of formula (j) is a monoalkoxylated amine having the formula:



(73)

wherein R^1 is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; R^2 in each of the x (R^2O) and y (R^2O) groups is independently C_2-C_4 alkylene; R^3 is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms; R^4 and R^5 are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, $-(R^6)_n-(R^2O)_yR^7$, or R^4 and R^5, together with the nitrogen atom to which they are attached, form a cyclic or heterocyclic ring; R^6 is hydrocarbylene or substituted hydrocarbylene having from 1 to about 30 carbon atoms; R^7 is hydrogen or a linear or branched alkyl group having 1 to about 4 carbon atoms, n is 0 or 1, x and y are independently an average number from 1 to about 60.

152. (new) A formulation useful in retarding the growth of vegetation comprising an aqueous mixture containing a surfactant, glyphosate or a salt or ester thereof, and a

dicarboxylic acid, the nature of said surfactant and the composition of said formulation being such that, upon application of the formulation to a plant, anisotropic aggregates comprising said surfactant are formed on the foliage of said plant, and wherein the growth of the plant is controlled to a greater extent than in a plant treated with a reference application mixture devoid of the dicarboxylic acid but otherwise having the same composition as said formulation.

153. (new) A formulation as set forth in claim 152 wherein the nature of said surfactant and the composition of said formulation are such that, upon application of the formulation to a plant, liquid crystals comprising said surfactant are formed in the foliage of said plant

154. (new) A formulation as set forth in claim 152 wherein the glyphosate concentration is from about 400 g a.e./L to about 600 g a.e./L.

155. (new) A formulation of claim 152 wherein the formulation has a cloud point of at least about 50°C and a crystallization point of not higher than about 0°C.

156. (new) A formulation of claim 155 wherein the formulation has a cloud point of at least about 60°C and a crystallization point of not higher than about -10°C.

157. (new) A formulation of claim 152 wherein the formulation comprises a salt of glyphosate selected from the group consisting of potassium glyphosate, monoammonium glyphosate, diammonium glyphosate, sodium glyphosate, monoethanolamine glyphosate, n-propylamine glyphosate, ethylamine glyphosate, ethylenediamine glyphosate, hexamethylenediamine glyphosate, trimethylsulfonium glyphosate and mixtures thereof.

158. (new) A formulation of claim 152 wherein the formulation has a density of at least about 1.210 grams/liter.

159. (new) A formulation of claim 152 wherein the formulation has a viscosity of less than about 1000 c.p. at 0°C at 45/s shear rate.

160. (new) A formulation of claim 159 wherein the formulation has a viscosity of less than about 250 c.p. at 0°C at 45/s shear rate.

161. (new) A formulation of claim 152 wherein the surfactant comprised by the formulation is not substantially antagonistic to the herbicidal activity of the glyphosate.

162. (new) A formulation useful in retarding the growth of vegetation comprising an aqueous mixture containing a surfactant, glyphosate or a salt or ester thereof, and a dicarboxylic acid, said surfactant and said dicarboxylic acid being present is a weight ratio of between about 1:1 and about 50:1, the nature of said surfactant and the composition of said formulation being such that, upon application of the formulation to a plant, anisotropic aggregates comprising said surfactant are formed on the foliage of said plant.

163. (new) A formulation as set forth in claim 162 wherein the nature of said surfactant and the composition of said formulation are such that, upon application of the formulation to a plant, liquid crystals comprising said surfactant are formed in the foliage of said plant

164. (new) A formulation as set forth in claim 162 wherein the glyphosate concentration is from about 400 g a.e./L to about 600 g a.e./L.

165. (new) A formulation of claim 162 wherein the formulation has a cloud point of at least about 50°C and a crystallization point of not higher than about 0°C.

166. (new) A formulation of claim 165 wherein the formulation has a cloud point of at least about 60°C and a crystallization point of not higher than about -10°C.

167. (new) A formulation of claim 162 wherein the formulation comprises a salt of glyphosate selected from the group consisting of potassium glyphosate, monoammonium glyphosate, diammonium glyphosate, sodium glyphosate, monoethanolamine glyphosate, n-propylamine glyphosate, ethylamine glyphosate, ethylenediamine glyphosate, hexamethylenediamine glyphosate, trimethylsulfonium glyphosate and mixtures thereof.

168. (new) A formulation of claim 162 wherein the formulation has a density of at least about 1.210 grams/liter.

169. (new) A formulation of claim 162 wherein the formulation has a viscosity of less than about 1000 c.p. at 0°C at 45/s shear rate.

170. (new) A formulation of claim 169 wherein the formulation has a viscosity of less than about 250 c.p. at 0°C at 45/s shear rate.

171. (new) A formulation of claim 162 wherein the surfactant comprised by the formulation is not substantially antagonistic to the herbicidal activity of the glyphosate.

172. (new) The aqueous herbicidal concentrate composition of claim 110 wherein the glyphosate is present in an amount in excess of 500 grams acid equivalent per liter of the composition.

173. (new) An aqueous herbicidal concentrate composition comprising

(a) glyphosate, predominantly in the form of the potassium salt thereof;

(b) a second water-soluble herbicide; and

(c) a surfactant component in solution or stable suspension, emulsion or dispersion, comprising one or more surfactants;

wherein the composition has a cloud point of at least about 50°C and a crystallization point not higher than about 0°C.

174. (new) The concentrate composition of claim 173 wherein the surfactant component is present in a total amount of about 20 to about 300 grams per liter of the composition, and the glyphosate and second herbicide having a total concentration between about 360 and about 570 grams acid equivalent per liter of the composition.

175. (new) The concentrate composition of claim 173 wherein the second herbicide is selected from the group consisting of acifluorfen, asulam, benazolin, bentazon, bialaphos, bispyribac, bromacil, bromoxynil, carfentrazone, chloramben, clopyralid, 2,4-D, 2,4-DB, dalapon, dicamba, dichlorprop, diclofop, difenzoquat, diquat, endothall, fenac, fenoxaprop, flamprop, fluazifop, fluoroglycofen, fluroxypyr, fomesafen, fosamine, glufosinate, haloxyfop, imazameth, imazamethabenz, imazamox, imazapic, imazapyr, imazaquin, imazethapyr, ioxynil, MCPA, MCPB, mecoprop, methylarsonic acid, naptalam, nonanoic acid, paraquat, picloram, sulfamic acid, 2,3,6-TBA, TCA and triclopyr.

176. (new) The concentrate composition of claim 175 wherein the second herbicide is selected from the group consisting of acifluorfen, bialaphos, carfentrazone, clopyralid, 2,4-D, 2,4-DB, dicamba, dichlorprop, glufosinate, MCPA, MCPB, mecoprop, methylarsonic

acid, nonanoic acid, picloram, triclopyr, imazameth, imazamethabenz, imazamox, imazapic, imazapyr, imazaquin and imazethapyr.

177. (new) The concentrate composition of claim 173 wherein the weight ratio on an acid equivalent basis of glyphosate to the second herbicide is between about 1:1 and about 200:1.

178. (new) The concentrate composition of claim 177 wherein the weight ratio of glyphosate to the second herbicide is between about 1:1 and about 30:1.